

REMARKS

The present Amendment amends claims 1-5, 7 and 10 and leaves claims 6, 8 and 9 unchanged. Therefore, the present application has pending claims 1-10.

Claims 1-10 stand objected to due to informalities noted by the Examiner in paragraph 1 of the Office Action. Various amendments were made throughout the claims to correct the informalities noted by the Examiner. Therefore, this objection is overcome and should be withdrawn.

Claims 2-7 and 10 stand rejected under 35 USC §112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention. Various amendments were made throughout claims 2-7 and 10 to bring them into conformity with the requirements of 35 USC §112, second paragraph. Therefore, Applicants submit that this rejection is overcome and should be withdrawn.

Specifically, amendments were made to claims 2-7 and 10 to overcome the objections noted by the Examiner in paragraph 4 of the Office Action.

The Examiner's cooperation is respectfully requested to contact Applicants' Attorney by telephone should any further indefinite matter be discovered so that appropriate amendments may be made.

Applicants acknowledge the Examiner's indication in the Office Action that claims 4-7 would be allowable if rewritten to overcome the 35 USC §112 second paragraph rejection and to include all the limitations of the base claim and any intervening claims. Amendments were made to claims 4-7 to place

them in independent form including all the limitations of the base claim and any intervening claims. Therefore, claims 4-7 are allowable as indicated by the Examiner.

Claims 1-3 and 8-10 stand rejected under 35 USC §102(e) as being anticipated by Suzuki (U.S. Patent Application Publication No.

2005/0144380). This rejection is traversed for the following reasons.

Applicants submit that the features of the present invention as now more clearly recited in claims 1-3 and 8-10 are not taught or suggested by Suzuki whether taken individually or in combination with any of the other references of record. Therefore, Applicants respectfully request the Examiner to reconsider and withdraw this rejection.

Amendments were made to claims 1-3 and 8-10 in order to more clearly describe features of the present invention not taught or suggested by any of the references of record particularly Suzuki.

Particularly, amendments were made to claims 1-3 and 8-10 so as to more clearly recite that the present invention is directed to a storage subsystem and a method for controlling a storage subsystem, wherein the storage subsystem includes a plurality of channel adaptors each for controlling the exchange of data with a host, a plurality of storage device groups each providing a logical storage regions, a plurality disk adaptors each for controlling the exchange of data with each of the storage device groups, a cache memory that is used by the channel and disk adaptors, a plurality of cache partition regions constituted by logically partitioning the cache memory and a control memory that stores management information for managing each of the cache partition regions.

Unique according to the present invention is that the management information is constituted by both a plurality of partition management information corresponding to the cache partition regions that are used to independently manage each of the cache partition regions and common management information that is used to manage a plurality of the cache partition regions.

The above described features of the present invention now more clearly recited in the claims are not taught or suggested by Suzuki.

Suzuki teaches a disk array device and remote control method for the disk array device which makes it possible to perform a plurality of data transfer operations using linear communication resources. Suzuki teaches, for example, in Figs. 1 and 2 thereof a disk array device 10 having a plurality of channel adaptors 20, a cache memory 30, a plurality disk drives 40, a plurality of disk adaptors 50, a shared memory 60, switching part 70, a hub 80 and a service processor 100. The disk array device 10 provides a plurality of virtual packages, namely SLPR (Storage Logical Partitions) which are regions that are constructed by dividing and assigning the various physical resources and logical resources inside the disk array device to respective users. Specifically, each SLPR includes a dedicated communications port 21, a dedicated cache memory 30 and a dedicated logical unit 41. Thus, Suzuki provides management information for managing data contained in the partitions forming the logical units of a disk rather than management information for managing data contained in the partitions forming the cache partition regions of cache memory as in the present invention. The

considerations inherent in managing data in the two types of memories are entirely different from each other.

Thus, at no point is there any teaching or suggestion in Suzuki of information that aids in managing individually and in common cache partition regions CLPR (cache logical partition) rather than logical units SLPR (storage logical partition) as in Suzuki.

Thus, Suzuki fails to teach or suggest a plurality of cache partition regions constituted by logically partitioning the cache memory and a control memory that stores management information for managing each of the cache partition regions as recited in the claims.

Further, Suzuki fails to teach or suggest that the management information is constituted by both a plurality of partition management information that is used to independently manage corresponding ones of the cache partition regions, and common management information that is used to manage a plurality of the cache partition regions as recited in the claims.

Therefore, Suzuki fails to teach or suggest the features of the present invention as now more clearly recited in the claims. Accordingly, reconsideration and withdrawal of the 35 USC §102(e) rejection of claims 1-3 and 8-10 as being anticipated by Suzuki is respectfully requested.

The remaining references of record have been studied. Applicants submit that they do not supply any of the deficiencies noted above with respect to the reference utilized in the rejection of claims 1-3 and 8-10.

In view of the foregoing amendments and remarks, applicants submit that claims 1-10 are in condition for allowance. Accordingly, early allowance of claims 1-10 is respectfully requested.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (1309.43768X00).

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.



Carl I. Brundidge
Registration No. 29,621

CIB/jdc
(703) 684-1120